

REPLACEMENT SHEET

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Title: PEPTIDE SEQUENCES SPECIFIC FOR THE HEPATIC STAGES OF P. FALCIPARUM BEARING EPITOPES CAPABLE OF STIMULATING THE T LYMPHOCYTES

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Sheet 1 of 4

LSN.3'STOP -> 1-phase Translation

DNA sequence 1482 b.p. CAAGAACAACAA ... ATGAAACTATAA linear

1 / 1	31 / 11	
CAA GAA CAA CAA AGC GAT CTA GAA CAA GAG AGA CGT GCT AAA GAA AAG TTG CAA GAA GAA		
gln gln gln ser asp leu gln gln gln arg arg ala lys glu lys leu gln gln gln		
61 / 21	91 / 31	
CAA AGC GAT TTA GAA CAA CAA CTT GCT AAA GAA AAG TTA CAA GAG CAG CAA AGC GAT		
gln ser asp leu glu gln asp arg leu ala lys glu lys leu gln glu gln gln ser asp		
121 / 41	151 / 51	
TTA GAA CAA GAG AGA CTT GCT AAA GAA AAG TTG CAA GAA CAA CAA AGC GAT CTA GAA CAA		
leu glu gln glu arg leu ala lys glu lys leu gln glu gln gln ser asp leu glu gln		
181 / 61	211 / 71	
GAG AGA CGT GCT AAA GAA AAG TTG CAA GAA CAA CAA AGC GAT TTA GAA CAA GAG AGA CGT		
glu arg arg ala lys glu lys leu gln glu gln gln ser asp leu glu gln arg arg		
241 / 81	271 / 91	
GCT AAA GAA AAG TTG CAA GAA CAA CAA AGC GAT TTA GAA CAA GAT AGA CTT GCT AAA GAA		
ala lys glu lys leu gln glu gln gln ser asp leu glu gln asp arg leu ala lys glu		
301 / 101	331 / 111	
AAG TTA CAA GAG CAG CAA AGC GAT TTA GAA CAA GAG AGA CGT GCT AAA GAA AAG TTG CAA		
lys leu gln glu gln ser asp leu glu gln glu arg arg ala lys glu lys leu gln		

FIGURE 10A

841 / 281	GAA AAA ACA AAT AGA GAA TCT ATT ACA	871 / 291	GAA GGA CGA AGG GAT ATA CAT AAA
901 / 301	glu lys thr asn arg glu ser ile thr		glu gly arg asp ile his lys
GGA CAT CTT GAA AAG GAA AAG AAT GAT GGT	931 / 311		
gly his leu glu lys	TCA ATA AAA CCA GAA CAA AAA GAA GAT AAA TCT		
961 / 321	991 / 331		lys glu asp lys ser
GCT GAC ATA CAA AAT CAT ACA TTA GAG ACA GTA AAT ATT TCT GAT GTT AAT GAT TTT CAA			
ala asp ile gln asn his thr leu glu thr val asn ile ser asp val asn asp phe gln	1051 / 351		
1021 / 341	ATA AGT AAG TAT GAG GAT GAA ATA AGT GCT GAA TAT GAC GAT TCA TTA ATA GAT GAA GAA		
ile ser lys tyr glu asp glu ile ser ala glu tyr asp ser leu ile asp glu glu	1111 / 371		
1081 / 361	GAA GAT GAT GAA GAC TTA GAC GAA TTT AAG CCT ATT GTG CAA TAT GAC AAT TTC CAA GAT		
glu asp asp glu asp leu asp glu phe lys pro ile val gln tyr asp asn phe gln asp	1171 / 391		
1141 / 381	GAA GAA AAC ATA GGA ATT TAT AAA GAA CTA GAA GAT TTG ATA GAG AAA AAT GAA AAT TTA		
glu glu asn ile gly ile tyr lys glu leu glu asp leu ile glu lys asn glu asn leu	1231 / 411		
1201 / 401	GAT GAT TTA GAT GAA GGA ATA GAA AAA TCA TCA GAA TTA TCT GAA GAA AAA ATA AAA		
asp asp leu asp glu gly ile glu lys ser ser glu glu leu ser glu glu lys ile lys	1291 / 431		
1261 / 421	AAA GGA AAG AAA TAT GAA AAA ACA AAG GAT AAT AAT TTT AAA CCA AAT GAT AAA AGT TTG		
lys gly lys lys tyr glu lys thr lys asp asn asn phe lys pro asn asp lys ser leu			

FIGURE 10C

1321 / 441	1351 / 451
TAT GAT GAG CAT ATT AAA AAT GAT AAG CAG GTT AAT AAG GAA AAG GAA AAA	
tyr asp glu his ile lys lys tyr lys asn asp lys gln val asn lys glu lys glu lys	
1381 / 461	1411 / 471
TTC ATA AAA TCA TTG TTT CAT ATA TTT GAC GAC AAT GAA ATT TTA CAG ATC GTG GAT	
phe ile lys ser leu phe his ile phe asp gly asp asn glu ile leu gln ile val asp	
1441 / 481	1471 / 491
GAG TTA TCT GAA GAT ATA ACT AAA TAT TTT ATG AAA CTA TAA AAG GTT ATA TAT	
glu leu ser glu asp ile thr lys tyr phe met lys leu OCH lys val ile tyr	

FIGURE 10D